Data Sheet (Cat.No.T38202)

TargetMol

PAQ

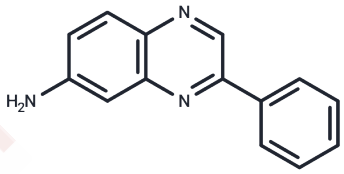
Chemical Properties

CAS No. : 943902-10-1

Formula: C14H11N3

Molecular Weight: 221.26

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.



Biological Description

Description	PAQ is a neuroprotective agent. It protects dopaminergic neurons from cell death without inhibiting glial cell proliferation in a rat midbrain culture model of Parkinson's disease when used at a concentration of 10 μM. PAQ (25 or 50 mg/kg, twice per day) prevents loss of dopaminergic neurons in the substantia nigra in a mouse model of Parkinson's disease induced by MPTP.
Targets(IC50)	Others,Calcium Channel

Solubility Information

Solubility	Ethanol: 2 mg/mL (9.04 mM),Sonication is recommended. DMSO: 10 mg/mL (45.2 mM),Sonication is recommended. DMF: 10 mg/mL (45.2 mM),Sonication is recommended. DMSO:PBS (pH 7.2) (1:1): 0.5 mg/mL (2.26 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.5196 mL	22.5978 mL	45.1957 mL
5 mM	0.9039 mL	4.5196 mL	9.0391 mL
10 mM	0.452 mL	2.2598 mL	4.5196 mL
50 mM	0.0904 mL	0.452 mL	0.9039 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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